

USB Webcam

RC16



4K 30fps



110°
Wide Angle



AF



Auto Framing
With AI
Technology



Human Tracking
Shooting



Built-in Mic

RC16 is a high-performance USB webcam designed specifically for small to medium-sized meeting rooms and personal office environments. It is equipped with a next-generation UHD CMOS image sensor, providing 4K UHD resolution images. In addition, it features automatic focus, AI framing, person tracking algorithms and audio processing capabilities, delivering an exceptional conference audiovisual experience for users.



FEATURES

▼ 4K UHD

It utilizes a 1/2.7" UHD CMOS sensor with 8.29 Megapixels. It supports a maximum 4K@30fps image encoding output, delivering higher picture resolution and rich details.

▼ 110° WIDE ANGLE

Equipped with a 110° ultra-wide-angle lens, it captures a wider range and minimizes image distortion. With Auto Framing technology, it can automatically detect people within the field of view and adjust the picture angle accordingly.

▼ AUTO FRAMING WITH AI TECHNOLOGY

The camera integrates AI algorithms and facial recognition technology, automatically identifying changes in seating arrangement in the meeting room and adjusting the camera's field of view for optimal framing. It can also track new participants as they enter the frame.

▼ HUMAN TRACKING SHOOTING WITH AI TECHNOLOGY

With the built-in NNE hardware unit and deep learning technology, it achieves smooth person tracking by extracting target features, regardless of the direction the person's face is facing.

▼ 6M CLEAR AUDIO PICKUP

Featuring a built-in beamforming microphone array and unique noise suppression and automatic gain algorithms, it ensures clear audio pickup within a range of 6m, enhancing speech clarity.

▼ FULL-FEATURED USB 3.0

Supporting a full-featured USB 3.0 interface, it enables integrated power supply, video and audio transmission. It can also support simultaneous input from two USB video sources¹ and one audio source.

▼ ONE-CLICK CONVENIENCE

With the exquisite infrared remote control and exclusive software, users can easily activate features such as automatic framing and person tracking with a single click. It also allows convenient settings for presets, electronic pan-tilt-zoom (ePTZ), image parameters, providing a user-friendly operating experience.

Remark:

1. This feature is optional.

SPECIFICATIONS

▼ CAMERA

Sensor	1/2.7", CMOS, 8.29 Megapixels
Scanning Mode	Progressive
Lens Mount	M12
Lens	Focal length: f=2.2mm, Wide Angle:110°
Minimum Illuminance	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
Camera Bracket	Standard equipped damped rotating bracket

▼ INPUT / OUTPUT INTERFACE

USB	1. USB 3.0; Type-C
Infrared Remote Control	Support

▼ GENERAL SPECIFICATION

Input Voltage	5V (USB-powered)
Input Current	0.6A (MAX)
Operating Temperature	0°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	3.0W (MAX)
Dimension	118mm (W) x 37.2mm (D) x 34.5mm (H) (stent-free)
Weight	0.2kg

▼ USB FEATURES

Operating System	Windows® 7 (only 1080P and below support), Windows 8.1, Windows 10 or higher macOS™ 10.10 Or higher Google™ Chromebook™ Version 29.0.1547.70 or higher Linux (Support UVC)
Hardware Requirements	2.4 GHz Intel® Core 2 Duo processor or higher 2 GB memory or higher USB 2.0 (4K need USB3.0)
Color System / Compression	H.264 / MJPEG / YUY2
Video Format	4KP30/25, 1080P30/25, 720P30/25, 960x540P30/25, 640x360P30/25,etc.
USB Video Communication Protocol	UVC 1.1
UVC PTZ Control	Support (EPTZ)



INTERFACE

1 — USB3.0 Interface

